

OLIN CORP -- CP3810005 ANHYDROUS HYDRAZINE -- 9135-00-149-1610

===== Product Identification =====

Product ID:CP3810005 ANHYDROUS HYDRAZINE

MSDS Date:01/01/1995

FSC:9135

NIIN:00-149-1610

MSDS Number: BXNWN

=== Responsible Party ===

Company Name:OLIN CORP

Address:120 LONG RIDGE RD

Box:1355

City:STAMFORD

State:CT

ZIP:06904-1355

Country:US

Info Phone Num:203-356-3449

Emergency Phone Num:203-356-3449

CAGE:8X135

=== Contractor Identification ===

Company Name:OLIN CORP

Address:51 CORPORATE WOODS 9393 W 110 ST

City:OVERLAND PARK

State:KS

ZIP:66210

Country:US

Phone:800-432-6546

CAGE:8X135

Company Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

===== Composition/Information on Ingredients =====

Ingred Name:HYDRAZINE

INTENDED CHANGE (IC) = 0.01 MG/CUM

CAS:302-01-2

RT

ECS #:MU7175000  
Fraction by Wt: >99.5%  
OSHA PEL:0.1 PPM  
ACGIH TLV:0.1 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 0-0.5%

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 60 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: FATAL, IRRITATING TO  
NOSE/THROAT/UPPER RESPI  
RATORY TRACT & LUNGS, PULMONARY EDEMA,  
LUNG/LIVER/KIDNEY/BLOOD/CNS DAMGE, HEMOLYSIS OF BLOOD CELLS. SKIN:  
FATAL IF ABSORBED, SEVERE IRRITATION/B URNS/DERMATITIS/ALLERGIC  
REACTION. EYES: HARMFUL/IRRITATION/BURNS/PERMANENT CORNEAL DAMAGE.  
INGESTION: FATAL, (SEE SUPP)  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, INFLAMMATION, BRONCHITIS, VOMITING,  
DIARRHEA, NAUSEA, DIZZINESS, CYANOSIS, CONVULSIONS, REDUCTION OF  
PACKED CELL VOLUME, RASH, SWELLING, R  
EDNESS, DISCHARGE, TEMPORARY  
BLINDNESS, ABDOMINAL PAIN, BLEEDING, TISSUE ULCERATION.  
Medical Cond Aggravated by Exposure:LIVER/KIDNEY/BLOOD/CARDIOVASCULAR  
DISEASE & ASTHMA.

===== First Aid Measures =====

First Aid:EYES/SKIN: IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR 15  
MINS. INGESTION: IMMEDIATELY DRINK LARGE AMOUNTS OF WATER. INDUCE  
VOMITING. DON'T GIVE ANYTHING BY MOUTH IF UNCONSCIOUS/CONVULSIVE.  
INHALAT ION: REMOVE TO FRESH AIR  
. GIVE CPR/OXYGEN IF NEEDED. KEEP  
WARM & QUIET. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====

Flash Point:100F  
Lower Limits:4.7  
Upper Limits:100  
Extinguishing Media:ALCOHOL FOAM, CO2, WATER SPRAY.  
Fire Fighting Procedures:USE WATER TO COOL FIRE EXPOSED CONTAINERS.  
WEAR A POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS &  
PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:AUTO-IGNITION TEMP: 518F. ABSORPTION OF  
AN

HYDROUS HYDRAZINE BY RAGS/COTTON WASTE/SIMILIAR ORGANIC MATERIALS  
WILL EVENTUALLY RESULT IN SPONTANEOUS COMBUSTION.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE & ISOLATE AREA/REMOVE IGNITION  
SOURCES/STOP SOURCE. AIR: SUPPRESS VAPORS W/WATER FOG. CONTAIN FOR  
TREATMENT/DISPOSAL. WATER: SAFELY DIVERT WATER FLOW AROUND AREA.  
LAND: DIKE/TRENCH/CONTAIN. D ILUTE TO 10% W/WATER & NEUTRALIZE.  
(SEESUPP)

Neutralizing Agent:5-8%  
CALCIUM HYPOCHLORITE SOLUTION.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA AWAY  
FROM IGNITION SOURCES. DON'T STORE >124F, EXPOSE TO DIRECT LIGHT,  
CONTAMINATE. MAINTAIN INERT ATMOSPHERE ALWAYS.

Other Precautions:DON'T TAKE INTERNALLY. AVOID CONTACT  
W/SKIN/EYES/CLOTHING. ELECTRICALLY GROUND ALL CONTAINERS & HANDLING  
EQUIPMENT. RETEST MATERIAL >5 YEARS OLD BEFORE USE. PACKAGE ONLY IN  
TEFLON

/HIGH DENSITY POLYETH YLENE/304L/347 STAINLESS STEEL.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED POSITIVE PRESSURE AIR  
SUPPLIED RESPIRATOR IF ANY EXPOSURE OCCURS.

Ventilation:LOCAL EXHAUST TO MAINTAIN LEVELS